

Technical Data Sheet [TDS]

PC Dinaxan Black

Reference: PC1S15 G40V0-4189

Properties	Unit	Method	Value d.a.m.
Physical			
Relative density	g/cm ³	ISO 1183	1.49
Ash content	%	ISO 3451	40
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	14500
Stress at break (5 mm/min)	MPa	ISO 527	160
Strain at yield (5 mm/min)	%	ISO 527	2
Strain at break (5 mm/min)	%	ISO 527	2
Flexural strength (2 mm/min)	MPa	ISO 178	225
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	15
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	65
Rheological			
Melt flow index M.F.I. (300°C, 2.16 kg)	g/10min	ISO 1133	15
Thermal			
VICAT softening temperature	°C	ISO 306-B50	144
Flammability classification (3 mm)	V0-V1-V2-HB	UL 94	V0
Processing			
Melt temperature range	°C	-	280-325
Recommended mould temperature	°C	-	80-120
Drying temperature	°C	-	120
Drying time	h	-	3-5

The data submitted here are, to the best of Grupo Repol's knowledge, representative of the range of properties for the listed products, but should not be used to establish process limits or used as the direct basis of design. Colorants or other additives may alter these properties. The data are given for natural grade unless otherwise specified.

Last update: 02/ 2014



